

Work Order ID 66349

February 10, 2011 2:44:16 PM



Page 1

Item ID:	D4026-1	Accept		Setup	Start	
Revision ID:					Stop	
Item Name:	Fuel Gauge					
Start Date:	2/10/11	Start Qty:	3.00		Cust Item ID:	
Required Date:	2/17/11	Req'd Qty:	3.00		Customer:	
Reference:						

Approvals:	Process Plan:	<u>CZ</u>	Date:	<u>11/02/10</u>	Tooling:		Date:		Run	Start	
	QC:		Date:		SPC (Y/N):		Date:			Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr								
D4026	A								

100		0.00							
-----	--	------	--	--	--	--	--	--	--

	Purchasing	Memo	0.00						
--	------------	------	------	--	--	--	--	--	--

Purchasing	Issue P/O: <u>13476</u>								
	Purchase part as per Dwg D4026								
	Part #: FL-100-R								
	Possible Supplier: AIRCRAFT SPRUCE								
	Material release note required								

CZ 11/02/10 (3)

110	Receive & Inspect for Damage & Mat'l Certs	0.00							
-----	--	------	--	--	--	--	--	--	--

	Packaging	Memo	0.00						
--	-----------	------	------	--	--	--	--	--	--

Packaging									
-----------	--	--	--	--	--	--	--	--	--

CZ 2/14 (3)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 66349

February 10, 2011 2:44:16 PM



Page 2

Item ID: D4026-1

Accept



Setup Start



Revision ID:

Stop



Item Name: Fuel Gauge

Start Date: 2/10/11 Start Qty: 3.00



Cust Item ID:

Required Date: 2/17/11 Req'd Qty: 3.00



Customer:

Reference:

Run Start



Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Stop



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

120

QC6- Inspect dimensions to drawing

0.00



QC

Memo

ASL 004852

ASL 004853

ASL 0084612

0.00

8/11/02/14

(X3)

Quality Control

130

Identify as per dwg & Stock Location: 111

0.00



Packaging

Memo

0.00

Packaging

11/2/15 sl (30)

140

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11/02/16
MF
11-02-15

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

February 10, 2011 2:44:16 PM

Page 1

Work Order ID: 66349



Parent Item: D4026-1



Parent Item Name: Fuel Gauge



Start Date: 2/10/11

Required Date: 2/17/11

Start Qty: 3.00

Required Qty: 3.00

Comments: IPP Rev:A 10.05.17 as per ECN10-562 DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
FL-100-R  Fuel Gauge		Purchased	No			110	Each	0.0000	1 	3		2/4/14 (3)	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

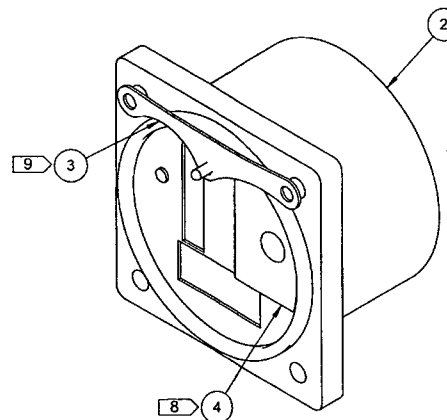
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

ITEM NO.	QTY. -041	PART NUMBER	DESCRIPTION	JOHN CAMERON AVIATION PART NUMBER
1	X	D4026-041	FUEL GAUGE ASSEMBLY	FL-100-R-JCA (REF)
2	1	D4026-1	FUEL GAUGE	
3	1	D4014-1	SWITCH PLATE	
4	1	D4014-3	GAUGE COVER	
5	A/R		DOUBLE SIDED TAPE	



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 66349

D4026-041 FUEL GAUGE ASSEMBLY

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4026-041" AND B/N USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.24 lbs
- 8) ATTACH D4014-3 GAUGE COVER USING DOUBLE SIDED TAPE
- 9) D4014-1 SWITCH COVER INCLUDED WITH ASSEMBLY, INSTALLED DURING GAUGE INSTALLATION IN AIRCRAFT

RELEASED
2010-05-05
MD

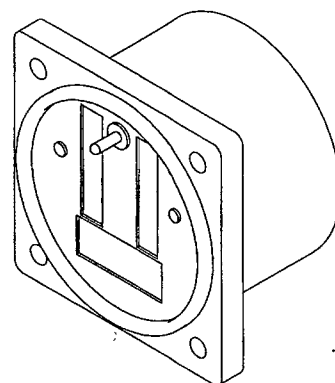
A	NEW ISSUE	10.02.05
REV.	DESCRIPTION	BY DATE
DESIGN		
DRAWN		
CHECKED		
MFG. APPR.		
APPROVED		
DE APPR.		
DATE	10.02.05	

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		REV. A
DRAWING NO.	D4026	SHEET 1 OF 2
TITLE	FUEL GAUGE	SCALE
COPYRIGHT © 2010 BY DART AEROSPACE LTD		NTS
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD		

DART AEROSPACE
PART NUMBER
D4026-1

JOHN CAMERON AVIATION
PART NUMBER
FL-100-R-JCA

SPECIFICATION CONTROL DRAWING



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 62349
CX11/02/10

DART PART NUMBER	MANUFACTURER	MANUFACTURER PART NUMBER	POSSIBLE SUPPLIER	SUPPLIER PART NUMBER	OPERATING TEMPERATURE	POWER CONSUMPTION	SENSORS SUPPORTED	OPERATING VOLTAGE
D4026-1	AEROSPACE LOGIC INC.	FL-100-R	AIRCRAFT SPRUCE AND SPECIALTY	<u>10-00304</u>	-15°C TO +55°C 5°F TO 131°F	450 mA MAX (DAY OPERATION) 60mA MIN (NIGHT OPERATION)	RESISTIVE SENSORS OF ALL TYPES R _{MAX} = 300 OHMS R _{MIN} = 0 OHMS	6 - 32 VDC

D4026-1 FUEL GAUGE

RELEASED
2010-05-05
MP

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A

DESIGN	<i>JS</i>	DART AEROSPACE LTD	
DRAWN	<i>JS</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>JS</i>	DRAWING NO.	REV. A
MFG. APPR.	<i>JS</i>	D4026	SHEET 2 OF 2
APPROVED	<i>JS</i>	TITLE	SCALE
DE APPR.	<i>JS</i>	FUEL GAUGE	NTS
DATE	10.02.05	COPYRIGHT © 2010 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL. IT IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO13476

Purchase Order Date 2/10/11

PO Print Date 2/10/11

Page Number 1 of 1

Order From :

VU-ROY001

VISA
PAYMENT CENTRE, PO BOX 4016, STAT. A
TORONTO,

Contact Name

Vendor Phone

Vendor Fax

Vendor Account Nbr

Buyer

Requisition Nbr

Tax Resale Nbr

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

USD

Destination-Collect

Ship To :

DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

PAID
F. C. Killoall
e-mail may

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	FL-100-R	Fuel Gauge	2/15/11 Yes	3.00 Each	FedEx PI collect	\$467.9500	\$1,403.85

Special Inst: AS PER DWG D4026 REV. A
B66349
AIRCRAFT SPRUCE P/N: FL-100-R

PO Total: \$1,403.85

CERTIFICATE OF CONFORMITY
REQ'D UPON DELIVERY

PO Instructions: AIRCRAFT SPRUCE
VISA ACCT: 4514 0310 0909 0347 EXP DATE: 11/13

Change Nbr: 1

Change Date: 2/10/11

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

AIRCRAFT SPRUCE & SPECIALTY CO.

P.O. BOX 4000 • 225 AIRPORT CIRCLE, CORONA, CA 92878-4000
 AIRCRAFT SPRUCE WEST: CORONA, CA • AIRCRAFT SPRUCE EAST: PEACHTREE CITY, GA
 ADMINISTRATION (951) 372-9555 • FAX (951) 372-0555
 CALL TOLL FREE (877) 4-SPRUCE (877) 477-7823

PLEASE RETURN THIS PORTION
 WITH YOUR REMITTANCE
 P.O. BOX 4000 • CORONA, CA 92878-4000

PAGE: 1 695700
 CUST: 333000

SAWB: 472941048374
 HART AEROSPACE, LTD
 1270 ABERDEEN
 HAWKESBURY, ON K6A1K7

333000
 DART AEROSPACE, LTD
 1270 ABERDEEN
 HAWKESBURY, ON K6A1K7
 CANADA

NOTE: ANY SHORTAGES MUST BE REPORTED WITHIN 10 DAYS.

BACKORDERED PRODUCTS WILL SHIP AS SOON AS AVAILABLE.

ORDER NO.	INVOICE NO.	CUSTOMER P.O. NO.	SHIP VIA	TERMS	DATE SHIPPED
327AA7	695700	0013476	FEDEX CANADA P	CREDIT CARD	02/11/11
QUANTITY SHIPPED	BACK ORDERED	DESCRIPTION	DISC.	UNIT PRICE	EXTENSION
3.00		<p>THANK YOU FOR YOUR ORDER. PLEASE CALL ME DIRECTLY AT EXT 225 THE NEXT TIME YOU WISH TO PLACE AN ORDER WITH AIRCRAFT SPRUCE. MARY GARCIA 877-477-7823</p> <p>CERTIFICATE OF CONFORMANCE</p> <p>THE PRODUCTS ON THIS ORDER HAVE BEEN OBTAINED FROM THE MANUFACTURERS OR AUTHORIZED DISTRIBUTORS AND TO THE BEST OF OUR KNOWLEDGE HAVE BEEN PRODUCED IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS AND 10-00304 AEROSPACE FUEL LEVEL FL-100-R STANDARDS.</p> <p><i>Sulorly</i></p> <p>CERTIFICATE OF CONFORMANCE</p> <p>The products on this invoice have been obtained through authorized manufacturers or distributors and to the best of our knowledge fully meet all applicable specifications. There may be products on this invoice which are not approved for use on FAA type certificated aircraft. Purchaser is responsible for determining suitability of any part purchased from Aircraft Spruce for installation on their certificated or experimental aircraft.</p> <p><i>James J. Irwin</i> James J. Irwin, President</p>		467.950	1403.85
SUBTOTAL	TAX	MISC. CHARGE	FREIGHT	PAID WITH ORDER	BALANCE DUE
1,403.85		0.00	0.00	1,403.85	0.00

WAIVER OF LIABILITY AND INDEMNIFICATION AGREEMENT-Inasmuch as Aircraft Spruce & Specialty Company has no opportunity to supervise the installation, or maintenance of parts supplied by it, nor any opportunity to participate in the design or manufacture of the products it sells or of the various homebuilt and certificated aircraft in which its parts are utilized, the purchaser, by placing this order with Aircraft Spruce & Specialty Company and accepting the parts, agrees that all materials purchased will be used solely at purchaser's risk and that the purchaser will indemnify and hold Aircraft Spruce & Specialty Company, its owners and employees, free and harmless from all loss, liability, and damage resulting from claims brought by reason of any alleged failure or defect of any parts or parts supplied by Aircraft Spruce & Specialty Company. If this agreement is unacceptable to purchaser, the purchaser will immediately return in new condition all products listed on this invoice to Aircraft Spruce for refund of purchase price.

When returning merchandise:

- Please call Customer Service for an RMA number.
- Write the RMA number on each package.
- Fill in the information below and enclose this form with the package.
- Insure and ship to: Aircraft Spruce West
225 Airport Circle
Corona, CA 92880
Attn: Customer Return

RETURN POLICY

Merchandise may be returned for credit or refund within 30 days from date of purchase if received in resaleable condition - packed in original manufacturer's box, complete with instructions and all components (if applicable). A copy of the original order showing purchase or information stating the invoice number and date of purchase, with reason for return must accompany the article. Do not mail purchase information in letter form under separate cover. A 15% restocking charge may be applicable to all merchandise returned to cover costs involved in processing the return. Do not return any products C.O.D. as it cannot be accepted by our warehouse. *All returns must be made to Aircraft Spruce West in Corona, CA.* Call first for return authorization and instructions.

PRODUCT WARRANTY

In cooperation with the manufacturers we represent, Aircraft Spruce & Specialty Co. warrants for a period of one year (on most products) from the date of original purchase its products to be free from defects in material and workmanship. Aircraft Spruce & Specialty Co.'s obligation under this warranty is limited to repair or replacement of the purchased product only, and under no circumstances shall Aircraft Spruce & Specialty Co. be liable for any loss, damage, injury, cost of repair or consequential damages of any kind in connection with the sale, use or repair of any product purchased from Aircraft Spruce & Specialty Co.

RETURNED MERCHANDISE

Item Number	Description	Price

If you have any questions about your order call Toll Free (877) 4-SPRUCE (877-477-7823)

PLEASE SEND

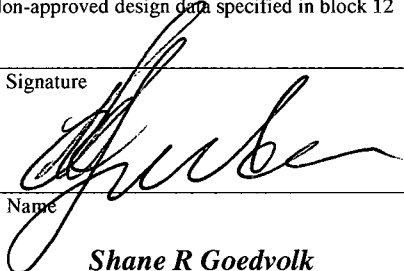
Item Number	Description	Price

Reason for Return - Please check appropriate box:

- ☐ Wrong item Ordered ☐ Quality Unsatisfactory ☐ Arrived Late ☐ Other
☐ Defective ☐ Not As Described ☐ Wrong Item Sent ☐ Core Credit

NOTE: CREDIT CANNOT BE ISSUED WITHOUT DETAILS COMPLETED BELOW.

DETAILS: _____

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 4812	
4. Organization Name and Address Aerospace Logic Inc. 180 James Street South, Suite 205, Hamilton, Ontario, L8P 4V1, CANADA				5. Work Order/Contract/Invoice 2451		
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial/Batch No.	11. Status/work	
1	Dual Fuel Level Indicator for Resistive Senders (0 - 300Ω)	FL-100-R	1	ASL0004812	NEW	
12: Remarks TSO C55, Canadian STC # SA03-56, FAA STC # ST01700NY						
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation <input type="checkbox"/> Non-approved design data specified in block 12			14a. <input type="checkbox"/> CAR 571-10 Maintenance Release <input type="checkbox"/> Other regulations specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12 has been performed in compliance with the <i>Canadian Aviation Regulations</i> .			
13b. Signature 		13c. Approved Organization Number 52-03		14b. Signature N/A		
13d. Name Shane R Goedvolk		13e. Date (dd/mm/yyyy) 22 June 2010		14c. Approved Organization Number N/A		
14d. Name N/A		14e. Date (dd/mm/yyyy) N/A		14f. Date (dd/mm/yyyy) N/A		
Installer Responsibilities						
<p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

(Previously form 24-0078)



AUTHORIZATION TO USE STC #SA03-56 AND/OR STC #ST01700NY

Aerospace Logic Inc. hereby authorizes the legal owner of instrument serial number

ASL004812

the use of either Canadian STC #SA03-56 and/or USA STC #ST01700NY for the installation of this instrument into a certified aircraft.

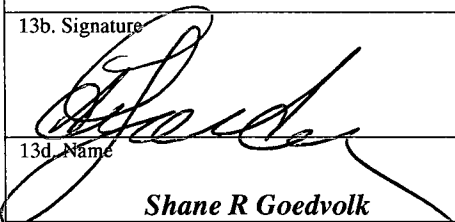
Photocopies or any other reproduction of this authorization are NOT authorization for use of the STC.



Shane R Goedvolk
p/p Aerospace Logic Inc.

PTU Ver. 1.4

Aerospace Logic Inc.
180 James Street South, Suite 205, Hamilton, ON, L8P 4V1, CANADA
Tel 416-628-0725 | Fax 416-352-5854
www.aerospacelogic.com

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE		3. Form Tracking No. 4852	
4. Organization Name and Address Aerospace Logic Inc. 180 James Street South, Suite 205, Hamilton, Ontario, L8P 4V1, CANADA				5. Work Order/Contract/Invoice 2483	
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial/Batch No.	11. Status/work
1	Dual Fuel Level Indicator for Resistive Senders (0 - 300Ω)	FL-100-R	1	ASL004852	NEW
12: Remarks TSO C55, Canadian STC # SA03-56, FAA STC # ST01700NY					
13a. Certifies the items identified above were manufactured in conformity to:			<div style="border: 1px solid black; padding: 5px;"> <p>13a. Certifies the items identified above were manufactured in conformity to:</p> <p><input checked="" type="checkbox"/> Approved design data and are in condition for safe operation</p> <p><input type="checkbox"/> Non-approved design data specified in block 12</p> </div>		
13b. Signature 		13c. Approved Organization Number 52-03			
13d. Name Shane R Goedvolk		13e. Date (dd/mm/yyyy) 17 August 2010			
Installer Responsibilities					
<p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

(Previously form 24-0078)



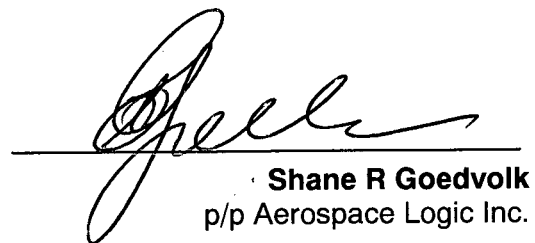
AUTHORIZATION TO USE STC #SA03-56 AND/OR STC #ST01700NY

Aerospace Logic Inc. hereby authorizes the legal owner of instrument serial number

ASL004852

the use of either Canadian STC #SA03-56 and/or USA STC #ST01700NY for the installation of this instrument into a certified aircraft.

Photocopies or any other reproduction of this authorization are NOT authorization for use of the STC.



Shane R Goedvolk
p/p Aerospace Logic Inc.

PTU Ver. 1.4

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE		3. Form Tracking No. 4853	
4. Organization Name and Address Aerospace Logic Inc. 180 James Street South, Suite 205, Hamilton, Ontario, L8P 4V1, CANADA				5. Work Order/Contract/Invoice 2483	
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial/Batch No.	11. Status/work
1	Dual Fuel Level Indicator for Resistive Senders (0 - 300Ω)	FL-100-R	1	ASL004853	NEW
12. Remarks TSO C55, Canadian STC # SA03-56, FAA STC # ST01700NY					
13a. Certifies the items identified above were manufactured in conformity to:			13b. Signature		
<input checked="" type="checkbox"/> Approved design data and are in condition for safe operation <input type="checkbox"/> Non-approved design data specified in block 12			13c. Approved Organization Number 52-03		
13d. Name Shane R Goedvolk			13e. Date (dd/mm/yyyy) 17 August 2010		
Installer Responsibilities This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.					

(Previously form 24-0078)



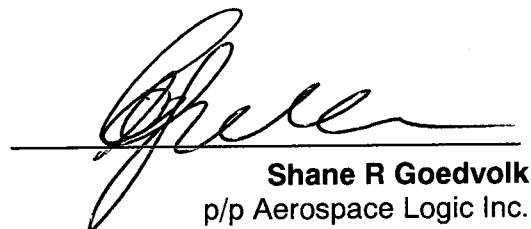
AUTHORIZATION TO USE STC #SA03-56 AND/OR STC #ST01700NY

Aerospace Logic Inc. hereby authorizes the legal owner of instrument serial number

ASL004853

the use of either Canadian STC #SA03-56 and/or USA STC #ST01700NY for the installation of this instrument into a certified aircraft.

Photocopies or any other reproduction of this authorization are NOT authorization for use of the STC.



Shane R Goedvolk
p/p Aerospace Logic Inc.

PTU Ver. 1.4